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DATE: Sunday, April 16, 2006

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		L14 and ((absorb\$4 or absorption and "take in" or "take on") with (electromagnetic\$4 or electro-magnetic\$4 or radio or micro or infrared or sound or acoustic\$4 or longitudinal\$2 or wave or wavelength or wave-length or pressure or rf or frequency))	18
<input type="checkbox"/>	L16	L14 and ((temperature or heat\$4 or thermal\$2) with (strength or intensity or magnitude or amplitude or strong\$3))	11
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<input type="checkbox"/>	L12	L11 and (temperature or heat\$4 or thermal\$2)	21
		L10 and ((fullerene) with (electromagnetic\$4 or electro-magnetic\$4 or radio or micro or infrared or sound or acoustic\$4 or longitudinal\$2 or wave or wavelength or wave-length or pressure or rf or frequency))	
<input type="checkbox"/>	L11	L9 and ((measur\$3 or measurement or calculat\$4 or find\$3 or determin\$4 or determination or ascertain\$4 or identif\$4) with (strength or intensity or magnitude or amplitude or strong\$3) with (electromagnetic\$4 or electro-magnetic\$4 or radio or micro or infrared or sound or acoustic\$4 or longitudinal\$2 or wave or wavelength or wave-length or pressure or rf or frequency))	23
<input type="checkbox"/>	L10	L8 and ((measur\$3 or measurement or calculat\$4 or find\$3 or determin\$4 or determination or ascertain\$4 or identif\$4) with (strength or intensity or magnitude or amplitude or strong\$3))	97
<input type="checkbox"/>	L9	L7 and (electromagnetic\$4 or electro-magnetic\$4 or radio or micro or infrared or sound or acoustic\$4 or longitudinal\$2 or wave or wavelength or wave-length or pressure or rf or frequency)	466
<input type="checkbox"/>	L8	L6 and (strength or intensity or magnitude or amplitude or strong\$3)	1169
<input type="checkbox"/>	L7	L2 and (measur\$3 or measurement or calculat\$4 or find\$3 or determin\$4 or determination or ascertain\$4 or identif\$4)	1203
<input type="checkbox"/>	L6	L5 and (fullerene with ((rotat\$4 or nutat\$4 or tip\$4 or flip\$4) with (speed or velocity)))	1371
<input type="checkbox"/>	L5	L4 and ((rotat\$4 or nutat\$4 or tip\$4 or flip\$4) with (speed or velocity))	7
<input type="checkbox"/>	L4	L3 and ((rotat\$4 or nutat\$4 or tip\$4 or flip\$4) with (speed or velocity))	201
<input type="checkbox"/>	L3	L2 and (rotat\$4 or nutat\$4 or tip\$4 or flip\$4)	779
<input type="checkbox"/>	L2	L1 and (speed or velocity)	1485
<input type="checkbox"/>	L1	fullerene	6164

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Search Results - Record(s) 1 through 23 of 23 returned.

1. Document ID: US 20060066305 A1

Using default format because multiple data bases are involved.

L11: Entry 1 of 23

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060066305

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060066305 A1

TITLE: Method for measuring rotational speed of molecule of fullerenes

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sun; Yong	Fukuoka		JP
Miyasato; Tatsuro	Fukuoka		JP

US-CL-CURRENT: 324/300

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Dra](#)

2. Document ID: US 20050231855 A1

L11: Entry 2 of 23

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050231855

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050231855 A1

TITLE: NANO-electronic memory array

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 360/324.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Dra](#)

3. Document ID: US 20050230822 A1

L11: Entry 3 of 23

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050230822

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050230822 A1

TITLE: NANO IC packaging

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/735; 257/784[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Drawings](#) 4. Document ID: US 20050218398 A1

L11: Entry 4 of 23

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218398 A1

TITLE: NANO-electronics

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Drawings](#) 5. Document ID: US 20050218397 A1

L11: Entry 5 of 23

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218397

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218397 A1

TITLE: NANO-electronics for programmable array IC

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14

[Full](#) [Title](#) [Creation](#) [Print](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Drawings](#)

6. Document ID: US 20040022958 A1

L11: Entry 6 of 23

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040022958

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040022958 A1

TITLE: Process for producing electromagnetic-wave absorber

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

US-CL-CURRENT: 427/458; 427/180, 427/58

[Full](#) [Title](#) [Creation](#) [Print](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Drawings](#)

7. Document ID: US 20030207573 A1

L11: Entry 7 of 23

File: PGPB

Nov 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030207573

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030207573 A1

TITLE: Charge separation type heterojunction structure and manufacturing method therefor

PUBLICATION-DATE: November 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ramm, Matthias	Kanagawa		JP
Ata, Masafumi	Kanagawa		JP

US-CL-CURRENT: 438/689; 257/E51.017, 257/E51.039

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [Table](#) | [Drawings](#)

8. Document ID: US 20030129436 A1

L11: Entry 8 of 23

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030129436

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030129436 A1

TITLE: Charge separation type heterojunction structure and manufacturing method therefor

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ramm, Matthias	Kanagawa		JP
Ata, Masafumi	Kanagawa		JP

US-CL-CURRENT: 428/519; 257/E51.017, 257/E51.039, 428/690, 428/917

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [Table](#) | [Drawings](#)

9. Document ID: US 20020136683 A1

L11: Entry 9 of 23

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020136683

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020136683 A1

TITLE: Method for forming composites of sub-arrays of single-wall carbon nanotubes

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 423/461; 423/447.1[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [IPC](#) | [Drawings](#) 10. Document ID: US 20020114998 A1

L11: Entry 10 of 23

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020114998

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020114998 A1

TITLE: Nondegenerate four-wave mixing using photoinduced charge-transfer materials

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Maniloff, Eric S.	Eugene	OR	US
McBranch, Duncan W.	Santa Fe	NM	US
Heeger, Alan J.	Santa Barbara	CA	US
Vacar, Dan V.	Goleta	CA	US

US-CL-CURRENT: 430/1; 359/3, 430/2[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [IPC](#) | [Drawings](#) 11. Document ID: US 20020098135 A1

L11: Entry 11 of 23

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098135

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020098135 A1

TITLE: Array of single-wall carbon nanotubes

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US

Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 422/198; 422/190, 422/211, 422/222, 423/447.2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [EPOC](#) [Drawn](#)

12. Document ID: US 20020090330 A1

L11: Entry 12 of 23

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090330

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090330 A1

TITLE: Method for growing single-wall carbon nanotubes utilizing seed molecules

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 422/198; 422/190, 422/211, 422/222, 423/447.1, 423/447.2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [EPOC](#) [Drawn](#)

13. Document ID: US 20020025429 A1

L11: Entry 13 of 23

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025429

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020025429 A1

TITLE: Electromagnetic-wave absorber, and process for its production

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

US-CL-CURRENT: 428/341; 428/328, 428/331, 428/522

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [Invc](#) | [Draw](#) | [D](#)

14. Document ID: US 7019391 B2

L11: Entry 14 of 23

File: USPT

Mar 28, 2006

US-PAT-NO: 7019391

DOCUMENT-IDENTIFIER: US 7019391 B2

TITLE: NANO IC packaging

DATE-ISSUED: March 28, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050230822 A1	October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tran; Bao	San Jose	CA	95135	US

US-CL-CURRENT: 257/678; 257/666, 257/672, 257/677, 257/98

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15. Document ID: US 6998285 B2

L11: Entry 15 of 23

File: USPT

Feb 14, 2006

US-PAT-NO: 6998285

DOCUMENT-IDENTIFIER: US 6998285 B2

TITLE: Charge separation type heterojunction structure and manufacturing method therefor

DATE-ISSUED: February 14, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20030207573 A1	November 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ramm; Matthias	Kanagawa			JP
Ata; Masafumi	Kanagawa			JP

US-CL-CURRENT: 438/48; 257/85, 438/75

Full Title Citation Front Review Classification Date Reference Claims KMC Drawn D

16. Document ID: US 6986876 B2

L11: Entry 16 of 23

File: USPT

Jan 17, 2006

US-PAT-NO: 6986876

DOCUMENT-IDENTIFIER: US 6986876 B2

TITLE: Method for forming composites of sub-arrays of single-wall carbon nanotubes

DATE-ISSUED: January 17, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20020136683 A1 September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smalley; Richard E.	Houston	TX		US
Colbert; Daniel T.	Houston	TX		US
Dai; Hongjie	Sunnyvale	CA		US
Liu; Jie	Chapel Hill	NC		US
Rinzler; Andrew G.	Newberry	FL		US
Hafner; Jason H.	Houston	TX		US
Smith; Kenneth A.	Katy	TX		US
Guo; Ting	Davis	CA		US
Nikolaev; Pavel	Houston	TX		US
Thess; Andreas	Kusterdingen			DE

US-CL-CURRENT: 423/447.1; 423/447.2

Full Title Citation Front Review Classification Date Reference Claims EPOC Drawn

□ 17. Document ID: US 6949237 B2

L11: Entry 17 of 23

File: USPTO

Sep 27, 2005

US-PAT-NO: 6949237

DOCUMENT-IDENTIFIER: US 6949237 B2

TITLE: Method for growing single-wall carbon nanotubes utilizing seed molecules

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smalley; Richard E.	Houston	TX		
Colbert; Daniel T.	Houston	TX		
Dai; Hongjie	Sunnyvale	CA		
Liu; Jie	Chapel Hill	NC		
Rinzler; Andrew G.	Newberry	FL		
Hafner; Jason H.	Houston	TX		
Smith; Kenneth A.	Katy	TX		
Guo; Ting	Davis	CA		
Nikolaev; Pavel	Houston	TX		
Thess; Andreas	Kusterdingen			DE

US-CL-CURRENT: 423/447.3; 423/445R, 423/447.1

Full	Title	Examiner	Front	Review	Classification	Date	Reference			Claims	KINCS	Drawings
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 18. Document ID: US 6830783 B2

L11: Entry 18 of 23

File: USPT

Dec 14, 2004

US-PAT-NO: 6830783

DOCUMENT-IDENTIFIER: US 6830783 B2

TITLE: Process for producing electromagnetic-wave absorber

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukui; Tetsuro	Kanagawa			JP
Unno; Akira	Kanagawa			JP
Kagawa; Yutaka	Tokyo			JP

US-CL-CURRENT: 427/475; 427/384, 427/485, 427/58

Full	Title	Examiner	Front	Review	Classification	Date	Reference			Claims	KINCS	Drawings
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 19. Document ID: US 6761999 B2

L11: Entry 19 of 23

File: USPT

Jul 13, 2004

US-PAT-NO: 6761999

DOCUMENT-IDENTIFIER: US 6761999 B2

TITLE: Nondegenerate four-wave mixing using photoinduced charge-transfer materials

DATE-ISSUED: July 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maniloff; Eric S.	Eugene	OR		
McBranch; Duncan W.	Santa Fe	NM		
Heeger; Alan J.	Santa Barbara	CA		
Vacar; Dan V.	Goleta	CA		

US-CL-CURRENT: 430/1, 359/3, 359/4, 430/2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	King	Drawn
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 20. Document ID: JP 2004045238 A

L11: Entry 20 of 23

File: JPAB

Feb 12, 2004

PUB-NO: JP02004045238A

DOCUMENT-IDENTIFIER: JP 2004045238 A

TITLE: MOLECULE ROTATIONAL SPEED MEASURING METHOD OF FULLERENES

PUBN-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	COUNTRY
SON, ISAMU	
MIYASATO, TATSURO	

INT-CL (IPC): G01 N 22/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	King	Drawn
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 21. Document ID: EP 1536223 A1

L11: Entry 21 of 23

File: EPAB

Jun 1, 2005

PUB-NO: EP001536223A1

DOCUMENT-IDENTIFIER: EP 1536223 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	King	Drawn
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 22. Document ID: WO 2004008126 A1

L11: Entry 22 of 23

File: EPAB

Jan 22, 2004

PUB-NO: WO2004008126A1

DOCUMENT-IDENTIFIER: WO 2004008126 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

Full	Title	Citation	Front	Review	Classification	Date	References	Claims	DWPI	TDBD
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23. Document ID: US 20060066305 A1, WO 2004008126 A1, JP 2004045238 A, EP 1536223 A1

L11: Entry 23 of 23

File: DWPI

Mar 30, 2006

DERWENT-ACC-NO: 2004-123074

DERWENT-WEEK: 200624

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TITLE: Measurement of rotation speed of fullerene or fullerene derivatives by measuring strength variation of electromagnetic waves based on temperature changes when waves are absorbed on thin film

Full	Title	Citation	Front	Review	Classification	Date	References	Claims	DWPI	TDBD
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Term	Documents
FULLERENE	4832
FULLERENES	2960
RADIO	688806
RADOS	21681
MICRO	528128
MICROES	3
MICROS	2260
MICROE	172
INFRARED	398815
INFRAREDS	53
(L10 AND ((FULLERENE) WITH (ELECTROMAGNETIC\$4 OR ELECTRO-MAGNETIC\$4 OR RADIO OR MICRO OR INFRARED OR SOUND OR ACOUSTIC\$4 OR LONGITUDINAL\$2 OR WAVE OR WAVELENGTH OR WAVE-LENGTH OR PRESSURE OR RF OR FREQUENCY))).PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	23

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Search Results - Record(s) 1 through 21 of 21 returned.

1. Document ID: US 20060066305 A1

Using default format because multiple data bases are involved.

L14: Entry 1 of 21

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060066305

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060066305 A1

TITLE: Method for measuring rotational speed of molecule of fullerenes

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sun; Yong	Fukuoka		JP
Miyasato; Tatsuro	Fukuoka		JP

US-CL-CURRENT: 324/300

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw](#)

2. Document ID: US 20050231855 A1

L14: Entry 2 of 21

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050231855

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050231855 A1

TITLE: NANO-electronic memory array

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 360/324.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw](#)

3. Document ID: US 20050230822 A1

L14: Entry 3 of 21

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050230822

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050230822 A1

TITLE: NANO IC packaging

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/735; 257/784[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [IPC](#) [Drawings](#) 4. Document ID: US 20050218398 A1

L14: Entry 4 of 21

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218398 A1

TITLE: NANO-electronics

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [IPC](#) [Drawings](#) 5. Document ID: US 20050218397 A1

L14: Entry 5 of 21

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218397

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218397 A1

TITLE: NANO-electronics for programmable array IC

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [K10C](#) [Drawings](#)

6. Document ID: US 20040022958 A1

L14: Entry 6 of 21

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040022958

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040022958 A1

TITLE: Process for producing electromagnetic-wave absorber

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

US-CL-CURRENT: 427/458; 427/180, 427/58

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [K10C](#) [Drawings](#)

7. Document ID: US 20030207573 A1

L14: Entry 7 of 21

File: PGPB

Nov 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030207573

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030207573 A1

TITLE: Charge separation type heterojunction structure and manufacturing method therefor

PUBLICATION-DATE: November 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ramm, Matthias	Kanagawa		JP
Ata, Masafumi	Kanagawa		JP

US-CL-CURRENT: 438/689; 257/E51.017, 257/E51.039

Full	Title	Citation	Front	Review	Classification	Date	References	Sequences	Attachments	Claims	IPC	Drawings
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8. Document ID: US 20030129436 A1

L14: Entry 8 of 21

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030129436

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030129436 A1

TITLE: Charge separation type heterojunction structure and manufacturing method therefor

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ramm, Matthias	Kanagawa		JP
Ata, Masafumi	Kanagawa		JP

US-CL-CURRENT: 428/519; 257/E51.017, 257/E51.039, 428/690, 428/917

Full	Title	Citation	Front	Review	Classification	Date	References	Sequences	Attachments	Claims	IPC	Drawings
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9. Document ID: US 20020136683 A1

L14: Entry 9 of 21

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020136683

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020136683 A1

TITLE: Method for forming composites of sub-arrays of single-wall carbon nanotubes

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 423/461; 423/447.1[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [Invc](#) [Draw](#) [TOC](#) 10. Document ID: US 20020098135 A1

L14: Entry 10 of 21

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098135

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020098135 A1

TITLE: Array of single-wall carbon nanotubes

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 422/198; 422/190, 422/211, 422/222, 423/447.2[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [Invc](#) [Draw](#) [TOC](#) 11. Document ID: US 20020090330 A1

L14: Entry 11 of 21

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090330

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090330 A1

TITLE: Method for growing single-wall carbon nanotubes utilizing seed molecules

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US

Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 422/198; 422/190, 422/211, 422/222, 423/447.1, 423/447.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [TOC](#) | [Drawings](#)

12. Document ID: US 20020025429 A1

L14: Entry 12 of 21

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025429

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020025429 A1

TITLE: Electromagnetic-wave absorber, and process for its production

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

US-CL-CURRENT: 428/341; 428/328, 428/331, 428/522

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [TOC](#) | [Drawings](#)

13. Document ID: US 7019391 B2

L14: Entry 13 of 21

File: USPT

Mar 28, 2006

US-PAT-NO: 7019391

DOCUMENT-IDENTIFIER: US 7019391 B2

TITLE: NANO IC packaging

DATE-ISSUED: March 28, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050230822 A1	October 20, 2005

Smalley; Richard E.	Houston	TX	US
Colbert; Daniel T.	Houston	TX	US
Dai; Hongjie	Sunnyvale	CA	US
Liu; Jie	Chapel Hill	NC	US
Rinzler; Andrew G.	Newberry	FL	US
Hafner; Jason H.	Houston	TX	US
Smith; Kenneth A.	Katy	TX	US
Guo; Ting	Davis	CA	US
Nikolaev; Pavel	Houston	TX	US
Thess; Andreas	Kusterdingen		DE

US-CL-CURRENT: 423/447.1; 423/447.2

Full Title Citation Front Review Classification Date Reference Claims IPIAC Drawn Q

□ 16. Document ID: US 6949237 B2

L14: Entry 16 of 21

File: USPT

Sep 27, 2005

US-PAT-NO: 6949237

DOCUMENT-IDENTIFIER: US 6949237 B2

TITLE: Method for growing single-wall carbon nanotubes utilizing seed molecules

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smalley; Richard E.	Houston	TX		
Colbert; Daniel T.	Houston	TX		
Dai; Hongjie	Sunnyvale	CA		
Liu; Jie	Chapel Hill	NC		
Rinzler; Andrew G.	Newberry	FL		
Hafner; Jason H.	Houston	TX		
Smith; Kenneth A.	Katy	TX		
Guo; Ting	Davis	CA		
Nikolaev; Pavel	Houston	TX		
Thess; Andreas	Kusterdingen			DE

US-CL-CURRENT: 423/447.3; 423/445R, 423/447.1

Full Title Citation Event Review Classification Date Reference Claims PCTC Draw D

17. Document ID: US 6830783 B2

L14: Entry 17 of 21

File: USPT

Dec 14, 2004

US-PAT-NO: 6830783

DOCUMENT-IDENTIFIER: US 6830783 B2

TITLE: Process for producing electromagnetic-wave absorber

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukui; Tetsuro	Kanagawa			JP
Unno; Akira	Kanagawa			JP
Kagawa; Yutaka	Tokyo			JP

US-CL-CURRENT: 427/475; 427/384, 427/485, 427/58

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [TOC](#) [Drawings](#)

18. Document ID: JP 2004045238 A

L14: Entry 18 of 21

File: JPAB

Feb 12, 2004

PUB-NO: JP02004045238A

DOCUMENT-IDENTIFIER: JP 2004045238 A

TITLE: MOLECULE ROTATIONAL SPEED MEASURING METHOD OF FULLERENES

PUBN-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	COUNTRY
SON, ISAMU	
MIYASATO, TATSURO	

INT-CL (IPC): G01 N 22/00

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [TOC](#) [Drawings](#)

19. Document ID: EP 1536223 A1

L14: Entry 19 of 21

File: EPAB

Jun 1, 2005

PUB-NO: EP001536223A1

DOCUMENT-IDENTIFIER: EP 1536223 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [TOC](#) [Drawings](#)

20. Document ID: WO 2004008126 A1

L14: Entry 20 of 21

File: EPAB

Jan 22, 2004

PUB-NO: WO2004008126A1

DOCUMENT-IDENTIFIER: WO 2004008126 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	TOC	Draw
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21. Document ID: US 20060066305 A1, WO 2004008126 A1, JP 2004045238 A, EP 1536223 A1

L14: Entry 21 of 21

File: DWPI

Mar 30, 2006

DERWENT-ACC-NO: 2004-123074

DERWENT-WEEK: 200624

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TITLE: Measurement of rotation speed of fullerene or fullerene derivatives by measuring strength variation of electromagnetic waves based on temperature changes when waves are absorbed on thin film

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	TOC	Draw
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
THIN	1897262
THINS	6212
LAYER	3634065
LAYERS	1479085
SURFACE	8183872
SURFACES	2721994
SLICE	85259
SLOUSE	0
SLOUSES	0
PLANE	2107049
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Search Results - Record(s) 1 through 11 of 11 returned.

1. Document ID: US 20060066305 A1

Using default format because multiple data bases are involved.

L15: Entry 1 of 11

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060066305

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060066305 A1

TITLE: Method for measuring rotational speed of molecule of fullerenes

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sun, Yong	Fukuoka		JP
Miyasato, Tatsuro	Fukuoka		JP

US-CL-CURRENT: 324/300

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw D](#)

2. Document ID: US 20050231855 A1

L15: Entry 2 of 11

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050231855

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050231855 A1

TITLE: NANO-electronic memory array

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 360/324.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw D](#)

3. Document ID: US 20050230822 A1

L15: Entry 3 of 11

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050230822

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050230822 A1

TITLE: NANO IC packaging

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/735; 257/784

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IPC	Cited By
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 4. Document ID: US 20050218398 A1

L15: Entry 4 of 11

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218398 A1

TITLE: NANO-electronics

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IPC	Cited By
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 5. Document ID: US 20050218397 A1

L15: Entry 5 of 11

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218397

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218397 A1

TITLE: NANO-electronics for programmable array IC

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequence](#) [Attachments](#) [Claims](#) [K10C](#) [Drawings](#)

6. Document ID: US 7019391 B2

L15: Entry 6 of 11

File: USPT

Mar 28, 2006

US-PAT-NO: 7019391

DOCUMENT-IDENTIFIER: US 7019391 B2

TITLE: NANO IC packaging

DATE-ISSUED: March 28, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050230822 A1	October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tran, Bao	San Jose	CA	95135	US

US-CL-CURRENT: 257/678; 257/666, 257/672, 257/677, 257/98

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequence](#) [Attachments](#) [Claims](#) [K10C](#) [Drawings](#)

7. Document ID: US 6986876 B2

L15: Entry 7 of 11

File: USPT

Jan 17, 2006

US-PAT-NO: 6986876

DOCUMENT-IDENTIFIER: US 6986876 B2

TITLE: Method for forming composites of sub-arrays of single-wall carbon nanotubes

DATE-ISSUED: January 17, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20020136683 A1	September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Smalley; Richard E.	Houston	TX	US
Colbert; Daniel T.	Houston	TX	US
Dai; Hongjie	Sunnyvale	CA	US
Liu; Jie	Chapel Hill	NC	US
Rinzler; Andrew G.	Newberry	FL	US
Hafner; Jason H.	Houston	TX	US
Smith; Kenneth A.	Katy	TX	US
Guo; Ting	Davis	CA	US
Nikolaev; Pavel	Houston	TX	US
Thess; Andreas	Kusterdingen		DE

US-CL-CURRENT: 423/447.1; 423/447.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	EMC	Drawn
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8. Document ID: JP 2004045238 A

L15: Entry 8 of 11

File: JPAB

Feb 12, 2004

PUB-NO: JP02004045238A

DOCUMENT-IDENTIFIER: JP 2004045238 A

TITLE: MOLECULE ROTATIONAL SPEED MEASURING METHOD OF FULLERENES

PUBN-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	COUNTRY
SON, ISAMU	
MIYASATO, TATSURO	

INT-CL (IPC): G01 N 22/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	EMC	Drawn
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9. Document ID: EP 1536223 A1

L15: Entry 9 of 11

File: EPAB

Jun 1, 2005

PUB-NO: EP001536223A1

DOCUMENT-IDENTIFIER: EP 1536223 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	EMC	Drawn
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10. Document ID: WO 2004008126 A1

L15: Entry 10 of 11

File: EPAB

Jan 22, 2004

PUB-NO: WO2004008126A1

DOCUMENT-IDENTIFIER: WO 2004008126 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INPC	Draw
------	-------	----------	-------	--------	----------------	------	-----------	-----	-----	--------	------	------

11. Document ID: US 20060066305 A1, WO 2004008126 A1, JP 2004045238 A, EP 1536223 A1

L15: Entry 11 of 11

File: DWPI

Mar 30, 2006

DERWENT-ACC-NO: 2004-123074

DERWENT-WEEK: 200624

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TITLE: Measurement of rotation speed of fullerene or fullerene derivatives by measuring strength variation of electromagnetic waves based on temperature changes when waves are absorbed on thin film

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INPC	Draw
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
TEMPERATURE	3590844
TEMP	853079
TEMPS	79792
TEMPERATURES	1157387
STRENGTH	1885193
STRENGTHS	109710
INTENSITY	702400
INTENSITIES	101840
INTENSITYS	14
MAGNITUDE	661410
(L14 AND ((TEMPERATURE OR HEAT\$4 OR THERMAL\$2) WITH (STRENGTH OR INTENSITY OR MAGNITUDE OR AMPLITUDE OR STRONG\$3))).PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	11

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Search Results - Record(s) 1 through 18 of 18 returned.

1. Document ID: US 20060066305 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 18

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060066305

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060066305 A1

TITLE: Method for measuring rotational speed of molecule of fullerenes

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sun; Yong	Fukuoka		JP
Miyasato; Tatsuro	Fukuoka		JP

US-CL-CURRENT: 324/300

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn](#)

2. Document ID: US 20050231855 A1

L16: Entry 2 of 18

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050231855

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050231855 A1

TITLE: NANO-electronic memory array

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 360/324.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn](#)

3. Document ID: US 20050230822 A1

L16: Entry 3 of 18

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050230822

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050230822 A1

TITLE: NANO IC packaging

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/735; 257/784

Full	Title	Citation	Front	Review	Classification	Date	References	Sequences	Attachments	Claims	TOC	Drawings
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 4. Document ID: US 20050218398 A1

L16: Entry 4 of 18

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218398 A1

TITLE: NANO-electronics

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14

Full	Title	Citation	Front	Review	Classification	Date	References	Sequences	Attachments	Claims	TOC	Drawings
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 5. Document ID: US 20050218397 A1

L16: Entry 5 of 18

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050218397

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050218397 A1

TITLE: NANO-electronics for programmable array IC

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tran, Bao	San Jose	CA	US

US-CL-CURRENT: 257/14

[Full](#) [Title](#) [Creation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [Cited](#) [Drawings](#)

6. Document ID: US 20040022958 A1

L16: Entry 6 of 18

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040022958

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040022958 A1

TITLE: Process for producing electromagnetic-wave absorber

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

US-CL-CURRENT: 427/458; 427/180, 427/58

[Full](#) [Title](#) [Creation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [Cited](#) [Drawings](#)

7. Document ID: US 20020136683 A1

L16: Entry 7 of 18

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020136683

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020136683 A1

TITLE: Method for forming composites of sub-arrays of single-wall carbon nanotubes

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US

Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 423/461; 423/447.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [D101](#) | [Drawings](#)

8. Document ID: US 20020098135 A1

L16: Entry 8 of 18

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098135

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020098135 A1

TITLE: Array of single-wall carbon nanotubes

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 422/198; 422/190, 422/211, 422/222, 423/447.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [D101](#) | [Drawings](#)

9. Document ID: US 20020090330 A1

L16: Entry 9 of 18

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090330

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090330 A1

TITLE: Method for growing single-wall carbon nanotubes utilizing seed molecules

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Smalley, Richard E.	Houston	TX	US
Colbert, Daniel T.	Houston	TX	US
Dai, Hongjie	Sunnyvale	CA	US
Liu, Jie	Houston	TX	US
Rinzler, Andrew G.	Houston	TX	US
Hafner, Jason H.	Houston	TX	US
Smith, Ken	Houston	TX	US
Guo, Ting	La Jolla	CA	US
Nikolaev, Pavel	Houston	TX	US
Thess, Andreas	Martinsried		DE

US-CL-CURRENT: 422/198; 422/190, 422/211, 422/222, 423/447.1, 423/447.2

Full	Title	Citation	Front	Review	Classification	Date	References	Sequences	Attachments	Claims	KMC	Draw
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 10. Document ID: US 20020025429 A1

L16: Entry 10 of 18

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025429

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020025429 A1

TITLE: Electromagnetic-wave absorber, and process for its production

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

US-CL-CURRENT: 428/341; 428/328, 428/331, 428/522

Full	Title	Citation	Front	Review	Classification	Date	References	Sequences	Attachments	Claims	KMC	Draw
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 11. Document ID: US 7019391 B2

L16: Entry 11 of 18

File: USPT

Mar 28, 2006

US-PAT-NO: 7019391

DOCUMENT-IDENTIFIER: US 7019391 B2

TITLE: NANO IC packaging

DATE-ISSUED: March 28, 2006

PRIOR-PUBLICATION:

DOC-ID DATE
US 20050230822 A1 October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tran, Bao	San Jose	CA	95135	US

US-CL-CURRENT: 257/678; 257/666, 257/672, 257/677, 257/98

Full Title Citation Front Review Classification Data Reference Claims 10002 Drawn D

12. Document ID: US 6986876 B2

L16: Entry 12 of 18

File: USPT

Jan 17, 2006

US-PAT-NO: 6986876

DOCUMENT-IDENTIFIER: US 6986876 B2

TITLE: Method for forming composites of sub-arrays of single-wall carbon nanotubes

DATE-ISSUED: January 17, 2006

PRIOR-PUBLICATION:

DOC-ID DATE
US 20020136683 A1 September 26, 2002

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smalley; Richard E.	Houston	TX		US
Colbert; Daniel T.	Houston	TX		US
Dai; Hongjie	Sunnyvale	CA		US
Liu; Jie	Chapel Hill	NC		US
Rinzler; Andrew G.	Newberry	FL		US
Hafner; Jason H.	Houston	TX		US
Smith; Kenneth A.	Katy	TX		US
Guo; Ting	Davis	CA		US
Nikolaev; Pavel	Houston	TX		US
Thess; Andreas	Kusterdingen			DE

US-CL-CURRENT: 423/447.1; 423/447.2

FULL TITLE Citation Front Review Classification Date Reference Claims Rights Drawings

13. Document ID: US 6949237 B2

L16: Entry 13 of 18

File: USPT

Sep 27, 2005

US-PAT-NO: 6949237

DOCUMENT-IDENTIFIER: US 6949237 B2

TITLE: Method for growing single-wall carbon nanotubes utilizing seed molecules

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smalley; Richard E.	Houston	TX		
Colbert; Daniel T.	Houston	TX		
Dai; Hongjie	Sunnyvale	CA		
Liu; Jie	Chapel Hill	NC		
Rinzler; Andrew G.	Newberry	FL		
Hafner; Jason H.	Houston	TX		
Smith; Kenneth A.	Katy	TX		
Guo; Ting	Davis	CA		
Nikolaev; Pavel	Houston	TX		
Thess; Andreas	Kusterdingen			DE

US-CL-CURRENT: 423/447.3; 423/445R, 423/447.1

Full	Title	Citation	Front	Review	Classification	Date	References			Claims	Claims	Draw
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 14. Document ID: US 6830783 B2

L16: Entry 14 of 18

File: USPT

Dec 14, 2004

US-PAT-NO: 6830783

DOCUMENT-IDENTIFIER: US 6830783 B2

TITLE: Process for producing electromagnetic-wave absorber

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukui; Tetsuro	Kanagawa			JP
Unno; Akira	Kanagawa			JP
Kagawa; Yutaka	Tokyo			JP

US-CL-CURRENT: 427/475; 427/384, 427/485, 427/58

Full	Title	Citation	Front	Review	Classification	Date	References			Claims	Claims	Draw
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 15. Document ID: JP 2004045238 A

L16: Entry 15 of 18

File: JPAB

Feb 12, 2004

PUB-NO: JP02004045238A

DOCUMENT-IDENTIFIER: JP 2004045238 A

TITLE: MOLECULE ROTATIONAL SPEED MEASURING METHOD OF FULLERENES

PUBN-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	COUNTRY
SON, ISAMU	
MIYASATO, TATSURO	

INT-CL (IPC): G01 N 22/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INPC	Drawn
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 16. Document ID: EP 1536223 A1

L16: Entry 16 of 18

File: EPAB

Jun 1, 2005

PUB-NO: EP001536223A1

DOCUMENT-IDENTIFIER: EP 1536223 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INPC	Drawn
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 17. Document ID: WO 2004008126 A1

L16: Entry 17 of 18

File: EPAB

Jan 22, 2004

PUB-NO: WO2004008126A1

DOCUMENT-IDENTIFIER: WO 2004008126 A1

TITLE: METHOD FOR MEASURING ROTATIONAL SPEED OF MOLECULE OF FULLERENES

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INPC	Drawn
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 18. Document ID: US 20060066305 A1, WO 2004008126 A1, JP 2004045238 A, EP 1536223 A1

L16: Entry 18 of 18

File: DWPI

Mar 30, 2006

DERWENT-ACC-NO: 2004-123074

DERWENT-WEEK: 200624

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TITLE: Measurement of rotation speed of fullerene or fullerene derivatives by measuring strength variation of electromagnetic waves based on temperature changes when waves are absorbed on thin film

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INPC	Drawn
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Term	Documents
RADIO	688806
RADOS	21681
MICRO	528128
MICROES	3
MICROS	2260
MICROE	172
INFRARED	398815
INFRAREDS	53
SOUND	567556
SOUNDS	95795
(L14 AND ((ABSORB\$4 OR ABSORPTION AND "TAKE IN" OR "TAKE ON") WITH (ELECTROMAGNETIC\$4 OR ELECTROMAGNETIC\$4 OR RADIO OR MICRO OR INFRARED OR SOUND OR ACOUSTIC\$4 OR LONGITUDINAL\$2 OR WAVE OR WAVELENGTH OR WAVE-LENGTH OR PRESSURE OR RF OR FREQUENCY)))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	18

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L16: Entry 6 of 18

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040022958
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040022958 A1

TITLE: Process for producing electromagnetic-wave absorber

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
CANON KABUSHIKI KAISHA	TOKYO		JP	03

APPL-NO: 10/397294 [PALM]
DATE FILED: March 27, 2003

RELATED-US-APPL-DATA:

Application 10/397294 is a division-of US application 09/935590, filed August 24, 2001, ABANDONED

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
JP	263504/2000	2000JP-263504/2000	August 31, 2000

INT-CL-PUBLISHED: [07] B05 D 1/12, B05 D 1/04

US-CL-PUBLISHED: 427/458; 427/180, 427/58
US-CL-CURRENT: 427/458; 427/180, 427/58

REPRESENTATIVE-FIGURES: NONE

ABSTRACT:

An electromagnetic-wave absorber comprising a base material and an electromagnetic-wave absorption layer provided on the base material. The electromagnetic-wave absorption layer contains at least i) a polymeric material having a glass transition temperature (Tg) of from -15.degree. C. to 110.degree. C. and a number-average molecular weight (Mn) of from 3,000 to 1,000,000 and ii) an inorganic material. Also provided is a process for producing the absorber.

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L16: Entry 10 of 18

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025429
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020025429 A1

TITLE: Electromagnetic-wave absorber, and process for its production

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fukui, Tetsuro	Kanagawa		JP
Unno, Akira	Kanagawa		JP
Kagawa, Yutaka	Tokyo		JP

APPL-NO: 09/935590 [PALM]
DATE FILED: August 24, 2001

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
JP	263504/2000	2000JP-263504/2000	August 31, 2000

INT-CL-PUBLISHED: [07] B32 B 5/16

US-CL-PUBLISHED: 428/341; 428/331, 428/328, 428/522
US-CL-CURRENT: 428/341; 428/328, 428/331, 428/522

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

An electromagnetic-wave absorber comprising a base material and an electromagnetic-wave absorption layer provided on the base material. The electromagnetic-wave absorption layer contains at least i) a polymeric material having a glass transition temperature (Tg) of from -15.degree. C. to 110.degree. C. and a number-average molecular weight (Mn) of from 3,000 to 1,000,000 and ii) an inorganic material. Also provided is a process for producing the absorber.

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L16: Entry 14 of 18

File: USPT

Dec 14, 2004

US-PAT-NO: 6830783

DOCUMENT-IDENTIFIER: US 6830783 B2

TITLE: Process for producing electromagnetic-wave absorber

DATE-ISSUED: December 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukui; Tetsuro	Kanagawa			JP
Unno; Akira	Kanagawa			JP
Kagawa; Yutaka	Tokyo			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Canon Kabushiki Kaisha	Tokyo			JP	03

APPL-NO: 10/397294 [PALM]

DATE FILED: March 27, 2003

PARENT-CASE:

This application is a division of application Ser. No. 09/935,590, filed Aug. 24, 2001, now abandoned, which is incorporated herein by reference..

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	2000-263504	August 31, 2000

INT-CL-ISSUED: [07] B05 D 1/04, B05 D 5/12

US-CL-ISSUED: 427/475; 427/58, 427/485, 427/384

US-CL-CURRENT: 427/475; 427/384, 427/485, 427/58

FIELD-OF-CLASSIFICATION-SEARCH: 427/466, 427/469, 427/470, 427/471, 427/475, 427/485, 427/202, 427/205, 427/58, 427/384

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

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PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

<input type="checkbox"/>	<u>4752525</u>	June 1988	Oyachi et al.	428/323
<input type="checkbox"/>	<u>5453328</u>	September 1995	Nagano et al.	428/545
<input type="checkbox"/>	<u>5789064</u>	August 1998	Valente et al.	
<input type="checkbox"/>	<u>5945213</u>	August 1999	Nagaike et al.	
<input type="checkbox"/>	<u>5952953</u>	September 1999	Nikawa et al.	342/1
<input type="checkbox"/>	<u>5976666</u>	November 1999	Narang et al.	428/138

ART-UNIT: 1762

PRIMARY-EXAMINER: Parker; Fred J.

ATTY-AGENT-FIRM: Fitzpatrick, Cella, Harper & Scinto

ABSTRACT:

An electromagnetic-wave absorber comprising a base material and an electromagnetic-wave absorption layer provided on the base material. The electromagnetic-wave absorption layer contains at least i) a polymeric material having a glass transition temperature (Tg) of from -15.degree. C. to 110.degree. C. and a number-average molecular weight (Mn) of from 3,000 to 1,000,000 and ii) an inorganic material. Also provided is a process for producing the absorber.

13 Claims, 4 Drawing figures

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